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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/001,765	10/31/2001	Donald T. Shannon	VAS-5041CIP1	5826
7:	590 10/29/2003		EXAMI	NER
Edwards Life:	sciences LLC		PELLEGRINO), BRIAN E
Law Dept.				D. DED MIN (DED
One Edwards V			ART UNIT	PAPER NUMBER
Irvine, CA 92	1614		3738	
			DATE MAILED: 10/29/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

··· ^	Application	No.	Applicant(s)				
		140.		M			
Office Action Summary	10/001,765		SHANNON ET AL.				
ome Action Cummury	Examiner		Art Unit				
The MAILING DATE of this communication a	Brian E Pelle		3738 correspondence addr	ess			
Period for Reply	appeare on the o	over officer with the	oon coponicinos ada,				
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a i - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta - Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b). Status	N. 1.136(a). In no event, reply within the statutor iod will apply and will e tute, cause the applica	however, may a reply be to y minimum of thirty (30) da xpire SIX (6) MONTHS fror tion to become ABANDON	mely filed ys will be considered timely. n the mailing date of this com ED (35 U.S.C. § 133).	munication.			
1) Responsive to communication(s) filed on 6	02 September 20	<u>003</u> .					
2a) ☐ This action is FINAL . 2b) ☑	This action is no	on-final.					
3) Since this application is in condition for allo				merits is			
closed in accordance with the practice und Disposition of Claims	·	yle, 1935 C.D. 11,	453 O.G. 213.				
4)⊠ Claim(s) <u>114-137</u> is/are pending in the app							
4a) Of the above claim(s) is/are without	drawn from cons	ideration.					
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>114-137</u> is/are rejected.							
7) Claim(s) is/are objected to.	17 1 18						
8) Claim(s) are subject to restriction an Application Papers	d/or election red	uirement.					
9)☐ The specification is objected to by the Exam	iner.						
10) The drawing(s) filed on is/are: a) a		bjected to by the Ex	aminer.				
Applicant may not request that any objection to							
11) The proposed drawing correction filed on	is: a)□ app	oroved b)□ disapp	roved by the Examine	r.			
If approved, corrected drawings are required in	n reply to this Offic	ce action.					
12) The oath or declaration is objected to by the	Examiner.						
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for for	eign priority und	er 35 U.S.C. § 119	(a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:							
 Certified copies of the priority document 	ents have been	received.					
2. Certified copies of the priority docum	2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the papplication from the International * See the attached detailed Office action for a	l Bureau (PCT F	Rule 17.2(a)).		Stage			
14) ☐ Acknowledgment is made of a claim for dom	estic priority und	der 35 U.S.C. § 119	9(e) (to a provisional	application).			
a) ☐ The translation of the foreign language 15)⊠ Acknowledgment is made of a claim for dom							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449) Paper No)		ary (PTO-413) Paper No(al Patent Application (PT0				

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DETAILED ACTION

Response to Amendment

Applicant's request for consideration of the amendment to the claims and entry prior to examination is acceptable and, therefore, the restriction of the prior office action is withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 114-117,121-129,133-137 are rejected under 35 U.S.C. 103(a) as being unpatentable over Banas et al. (5749880) in view of Frantzen (6042606). Banas et al. disclose an expandable device comprising a tubular graft with a stent over the graft and an outer layer of PTFE wound about the stent, col. 20, lines 1-11. Banas also discloses that self-expanding stents can be incorporated in the stent-graft and made from shape memory material, such as Nitinol, col. 12, lines 60-64. Banas additionally discloses that balloon expandable stents can be employed with the graft, col. 13, lines 24-29. It can be construed that ptfe particles are deposited between the base graft and outer layer since aqueous PTFE can be used, which inherently has particles therein, col. 10, lines 1-5. Banas discloses the inner base graft and outer layer are bonded by heating, col. 9, lines

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58-67. However, Banas does not disclose a stent having linear connectors with zigzag elements or that the longitudinal length of the stent remains constant with expansion. Frantzen teaches a stent (Fig. 10) with zigzag elements **20** with adjacent turns connected by a linear connector **90**. Frantzen also teaches that the stent length remains constant with expansion, col. 9, lines 35-39. It would have been obvious to one of ordinary skill in the art to use zigzag elements with a linear connector as taught by Frantzen in the graft of Banas et al. such that it provides a non-foreshortening stent for maximum vessel coverage.

Claims 114-116,118,121-128,130,133-137 are rejected under 35 U.S.C. 103(a) as being unpatentable over Banas et al. (5749880) in view of Lau et al. (6066168). Banas is explained supra. However, Banas does not disclose a stent having linear connectors with sinusoidal elements or that the longitudinal length of the stent remains constant with expansion. Lau et al. teaches a stent (Fig. 11) with sinusoidal elements 12 with adjacent turns connected by a linear connector 13. Lau also teaches that the length remains constant with expansion of the stent, col. 2, lines 44-46. It would have been obvious to one of ordinary skill in the art to use sinusoidal elements with a linear connector as taught by Lau et al. in the graft of Banas et al. such that it provides a nonforeshortening stent for maximum vessel coverage.

Claims 119,120,131,132 are rejected under 35 U.S.C. 103(a) as being unpatentable over Banas et al. '880 in view of Frantzen '606 as applied to claims 114,126 above, and further in view of Myers et al. (5700285). Banas as modified by Frantzen is explained as before. Banas discloses at least one overlapping layer of tape,

col. 13, lines 61-65. However, Banas in view of Frantzen fail to disclose the tape has a thickness less than 0.015 inches. Myers discloses a thickness for the tape less than 0.015 inches, col. 8, lines 3,4. It would have been obvious to one of ordinary skill in the art to use a tape with a thickness less than 0.015 inches as taught by Myers et al. with the stent-graft of Banas as modified by Frantzen such that it has a low profile making insertion in a catheter or sheath easier.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Pellegrino whose telephone number is (703) 306-5899. The examiner can normally be reached on Monday-Thursday from 9am to 6:30pm. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Corrine McDermott, can be reached at (703) 308-2111. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-2708.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0858.

Brian Pellegrino

TC 3700, AU 3738

Bran Pellegrine